

Title (en)

Automatic braking device for motorised electronic operation of a door, shutter, blind or similar

Title (de)

Automatische Arretiervorrichtung für den elektronischen Motorantrieb von Türen, Fensterläden, Rolläden und dergleichen

Title (fr)

Dispositif d'arrêt automatique pour l'entraînement motorisé électrique de porte, volet, store ou similaire

Publication

EP 0568492 B1 19970730 (FR)

Application

EP 93810105 A 19930219

Priority

FR 9202389 A 19920228

Abstract (en)

[origin: US5374791A] A compact automatic stop device for two mechanisms for counting revolutions which consist of coaxial counting wheels (10, 10') each associated with a notched cam (14, 14') interacts with a cutoff finger (24, 24') securely fastened to a common cutoff lever (20, 20'), so that when the notches (19) are aligned, the cutoff lever actuates a switch (26, 26'). A set-to-zero lever (29, 29') makes it possible to reset the counting wheels to zero by acting via hammers (33') on core cams (18'). The counting wheels, the cutoff levers and the set-to-zero levers of each counting mechanism are pivoted in a common cradle (5, 5') articulated with respect to a fixed casing (1) having profiled parts (36, 37, 36', 37') which are intended to interact with the cutoff levers and the set-to-zero levers during the displacement of the cradles.

IPC 1-7

E06B 9/88; **H01H 19/18**

IPC 8 full level

E06B 9/32 (2006.01); **E06B 9/80** (2006.01); **E06B 9/88** (2006.01); **H01H 19/18** (2006.01)

CPC (source: EP KR US)

E06B 9/56 (2013.01 - KR); **E06B 9/88** (2013.01 - EP KR US); **H01H 19/18** (2013.01 - KR); **H01H 19/183** (2013.01 - EP US); **E06B 2009/6881** (2013.01 - EP US)

Cited by

CN104066917A; WO2013098108A1

Designated contracting state (EPC)

AT BE CH DE ES GB IT LI NL SE

DOCDB simple family (publication)

US 5374791 A 19941220; AT E156237 T1 19970815; DE 69312560 D1 19970904; DE 69312560 T2 19980205; EP 0568492 A1 19931103; EP 0568492 B1 19970730; ES 2048717 T1 19940401; FR 2688022 A1 19930903; FR 2688022 B1 19940520; JP 3298966 B2 20020708; JP H07252984 A 19951003; KR 100233947 B1 19991215; KR 930018127 A 19930921

DOCDB simple family (application)

US 1669193 A 19930211; AT 93810105 T 19930219; DE 69312560 T 19930219; EP 93810105 A 19930219; ES 93810105 T 19930219; FR 9202389 A 19920228; JP 3968693 A 19930301; KR 930001706 A 19930209